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Technical Safety Data Sheet

Equipment Name: Tub Grinder (Maxigrind)

Manufacturer: Rexworks

Address

P.O. Box 2037

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Equipment Description: This equipment is trailer mounted and is used to grind wood pallets or other wood products for disposal. A grapple (clamshell) is used to pick up the wood material and load it into a hopper. A hydraulic ram pushes the material from the hopper into a grinder. The ground material exits the equipment on a conveyor belt. An operating booth houses the equipment operating controls.

Precautions for Safe Handling and Use:

Operation

When mounting or dismounting machinery, make sure diesel is shut off, and avoid contacting engine, which may cause burns. Always mount and dismount the Maxigrind with extreme caution using the ladders provided. Never jump off the Maxigrind.

Perform an equipment safety inspection prior to equipment operation to ensure

DRAFT

all connections are tight and hoses are not deteriorated or damaged.

Wear personal protective equipment during equipment operation. See Control Measures section for description.

Ensure personnel are clear of the grinding area before starting the equipment to avoid being struck by ejected debris or caught in moving parts.

Do not leave the equipment running without an operator in attendance.

Do not operate the machine in an enclosed building where exhaust gases are allowed to accumulate.

Make sure that all walking and climbing surfaces of the Maxigrind are free of dirt, debris, water, grease, oil, ice, and snow. Do not leave loose tools and rags on the machine.

Never operate grapple within 50 feet of power lines.

Do not allow anyone to climb or ride on the outside of the cab or anywhere else on the machine during operation. Never allow anyone near the boom or load.

Keep eyes on the load at all times. Bring the grapple to a stop before looking away from the load. When using the grapple, keep the hydraulic lines on top of the clamshell away from any sharp objects that could puncture them.

Prior to operation or performing maintenance, review Rexworks Maxigrind 350/425/460/G Operation and Maintenance Manual.

Maintenance

Tag and lock-out equipment before servicing.

Never attempt to service the machine while it is running.

Fluid leaks or overheating of the pump must not be checked by placing a hand directly on the components. Use a piece of card board to check for leaks. Heat can be detected near a component without physically touching it.

Bleed off pressure lines and shut off the electrical power before performing any maintenance or repair work.

Maximum hydraulic pressure for the grapple is 1,750 psi. Settings higher than this may result in harm to persons and property.

DRAFT

Do not vent the upper concave circuit accumulator at any time while removing or replacing the sizing screen. If the circuit is vented, the upper concave could fall and cause severe personal injury.

Health Hazard Data

Chemical Hazard : None observed

Physical Hazard: Access to the operating booth requires passing very close to the diesel power source posing a mechanical and thermal hazard to the operator. Access ladders have insufficient railings and excessive slope posing a falling hazard to operator.

Biological Hazard: None observed

Ergonomic Hazard: None observed

Environmental Hazard: None observed

Control Measures

Ventilation Requirements: None

Safety Shoes: Wear safety shoes with non-slip soles when using the access ladders.

Posting Requirements: Warning signs should be posted for “Personal protective equipment (safety shoes) required” and “No unauthorized personnel” in the equipment operating area.